Saskatchewan Agriculture and Food

Crop Report for the Week of July 16, 2007

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Report Number 15, July 16, 2007

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The warm, dry weather in the past week helped farmers make good haying progress, according to Saskatchewan Agriculture and Food's weekly crop report.

Forty-one per cent of the first cut of hay has been baled or put into silage, up from 20 per cent in the previous week. The first estimate of the 2007 hay yield indicated that dryland brome/alfalfa is expected to average 1.5 tons per acre, about 50 per cent above the 10 year average.

Provincial crop development stage reports show the following: spring cereals are 52 per cent heading; flax crops are 53 per cent flowering; canola and mustard crops are 67 per cent flowering; pulse crop are 51 per cent flowering; and fall cereal crops are 57 per cent at the dough stage.

1 Year Ago
The impact of the hot, dry weather was felt across a significant portion of the province during the past week.

First cut hay was 62 per cent baled or put into silage; hay yield estimates were considered to be average.

Spring cereal crops were 63 per cent heading; flax crops were 65 per cent flowering; canola and mustard crops were 23 per cent podding; pulse crops were 51 per cent podding; and fall crops were 62 per cent at the dough stage.

Topsoil moisture conditions on crop, hay, and pasture land continue to be generally adequate across the province. The number of reporters rating topsoil moisture as surplus has decreased to less than six per cent, but the number rating topsoil moisture as short and very short has increased to about 25 per cent. The drier areas are mainly in the southwest regions.

Wheat midge was a major source of crop damage during the past week. Drought and gopher damage are still being reported as the major sources of damage in the southwest regions. Other sources of crop damage included flooding, hail, bertha armyworms, and diamondback moths.

South eastern Saskatchewan
(Crop Districts 1, 2, & 3ase)

The south eastern region was generally hot and dry during the past week, with some localized rains. An average of 19 mm of precipitation was reported, ranging from an average low of 3 mm reported in Crop District (CD) 2b, to an average high of 49 mm reported in CD 3ase. Damage from drought was reported in CDs 1a and 2. Crop damage from the heat was reported in CD 1a, 2b and 2ase. The heat helped the progress of crop development but is also anticipated to reduce yields.

Spring cereal development in the southeast is 59% at the heading stage, on par with the west central region of the province. Flax crops are 61% at the flowering stage. Canola and mustard crops are 90% at or beyond the flowering stage. Pulse crops are 91% at or beyond the flowering stage. Fall cereal crops are 75% at the dough stage.

Topsoil moisture conditions on crop, hay and pasture land deteriorated slightly. The adequate category decreased from 78% in the previous week to 74% and the short category increased from 17% to 23 % on crop land.

After heat stress and drought, wheat midge was the most commonly mentioned source of crop damage in the southeast during the past week. Diamondback moths have been reported in CD 2b and 3ase along with flea beetles in CD 1b. There has been some spraying for wheat midge.

Haying operations made some progress in the southeast with 40% baled or silaged, and a further 27% lying in the swath. Haying progress has advanced due to the hot and dry weather. Quality is generally expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.7 tons per acre.

South western Saskatchewan
(CDs 3asw, 3an, 3b, & 4)

The past week was hot and dry in the southwest, which saw crops suffer damage. An average of 5 mm of precipitation was reported during the past week, ranging from no rain reported in CDs 3an,3bn, and 4, to an average high of 22 mm reported in CD 3asw. Drought damage was reported across the region. Hail damage was reported in CD 4b. There was some wind damage reported in CD 3asw around Rockglen and CD 3bs around Hazenmore and Shaunavon.

Spring cereal development in the southwest is 62% at the heading stage. Flax crops are 72% at the flowering stage, on average the furthest advanced in the province. Canola and mustard crops are 97% at or beyond the flowering stage, on average the furthest advanced of the province. Pulse crops are 96% at or beyond the flowering stage, on average only one per cent ahead of the east central for furthest advanced in the province. Fall cereal crops are 67% at the dough stage.

Topsoil moisture conditions on cropland deteriorated this past week. Twenty-four per cent of reporters rated conditions as adequate this week, compared with 52% last week. The balance (76%) rate topsoil moisture conditions as short or very short. Conditions were also drier on hay and pasture land with 16% of reporters rating topsoil moisture as adequate, compared to 42% last week.

Diseases noted included ascochyta blight and tan spot. Grasshopper damage was reported around Fife Lake and Lucky Lake. Damage from gophers was reported across the region.

Haying operations are well underway in the southwest with 59% of the crop baled or put into silage, and a further 27% lying in the swath. Quality is expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.1 tons per acre, the lowest regional estimate in the province.

East central Saskatchewan
(Crop Districts 5 & 6a)

The east central region saw a mix of hot and dry weather along with spotty rains during the week. An average of 16 mm of precipitation was reported during the past week, ranging from an average low of 1 mm reported in CD 6a, to an average high of 40 mm reported in CD 5b. Wind was reported in CD 6b. Drought damage was reported around Ituna and Buylea. Flooding damage was reported in the Foam Lake area.

Spring cereal development in the east central region is 36% at the heading stage. Flax crops are 39% at the flowering stage. Canola and mustard crops are 79% at or beyond the flowering stage. Pulse crops are 95% at or beyond the flowering stage, on average, just slightly behind the southwest for the furthest advanced in the province. Fall cereal crops are 56% at the dough stage.

Topsoil moisture conditions on cropland generally declined, with 73% of reporters rating topsoil moisture as adequate, compared with 80% last week. Surplus ratings dropped from 17% of reporters to 8% of reporters. Conditions remained the same on hay and pasture land with 73% of reporters rating topsoil moisture as adequate. Seventeen per cent of reporters rate hay and pasture topsoil moisture as short or very short.

Wheat midge was the most common insect damage reported this past week. Some reports of bertha armyworms and diamondback moths were made. Diseases included tan spot, rust, and sclerotinia.

Haying operations are going well, with 30% baled or silaged, and a further 31% cut. Quality is expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.6 tons per acre.

West central Saskatchewan
(Crop Districts 6b & 7)

The west central region was generally hot this past week, with some local showers. An average of 6 mm of precipitation was reported, ranging from a low of zero mm reported in CD 7, to an average high of 35 mm reported

in CD 6b. Flooding damage was reported in CD 6b around Grandora. Wind damage was reported in CDs 6b and 7b. Hail was reported around Cando in CD 7b.

Spring cereal development in the west central region is 60% at the heading stage, on par with the southeast and southwest regions of the province. Flax crops are 52% at the flowering stage. Canola and mustard crops are 92% at or beyond the flowering stage. Pulse crops are 92% at or beyond the flowering stage. Fall cereal crops are 47% at the dough stage.

Topsoil moisture conditions on cropland deteriorated, with 69% of reporters rating topsoil moisture as adequate, compared with 88% last week. Thirty per cent of reporters rate crop land topsoil moisture as short or very short. Conditions are similar on hay and pasture land with 65% rating topsoil moisture as adequate. Reporters are looking for rain to maintain crop conditions.

Crop damage by insects was dominated by wheat midge with some reports of bertha armyworms and diamondback moths. Some spraying for wheat midge has been reported along with diseases in cereals. Diseases noted were ascochyta blight, tan spot, and smuts.

Cutting and baling the 2007 hay crop is well underway with 51% baled or silaged, and a further 32% cut. Quality is generally expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.7 tons per acre.

North eastern Saskatchewan
(Crop Districts 8 & 9ae)

The north eastern region had a hot week with some localized storms. An average of 15 mm of precipitation was reported during the past week, ranging from a low of zero mm reported in CD 8a, to an average high of 39 mm reported in CD 8b. Flooding damage was reported in CD 8 along with hail in CD 8b around Vonda.

Spring cereal development in the northeast is 32% at the heading stage. Flax crops are 37% at the flowering stage. Canola and mustard crops are 72% at or beyond the flowering stage, on average the least advanced in the province. Pulse crops are 68% at or beyond the flowering stage, on average the least advanced in the province. Fall cereal crops are 39% at the dough stage.

Topsoil moisture conditions on cropland improved this past week as more area moved from surplus to adequate, with 72% of reporters rating topsoil moisture as adequate, compared with 63% last week. Conditions also improved on hay and pasture land with 77% of reporters rating topsoil moisture as adequate, compared to 63% last week. There are still no reports of topsoil moisture conditions being short.

Crop damage by insects was dominated by wheat midge and reports of tan spot and leaf disease were made in the past week.

Good haying progress was made with 22% of the 2007 crop baled or silaged, and a further 36% lying in the swath. Quality generally ranges from fair to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.6 tons per acre.

North western Saskatchewan
(Crop Districts 9aw & 9b)

The north western region was generally sunny and warm during the past week. An average of 13 mm of precipitation was reported, ranging from a low of zero mm reported in CD 9b, to an average high of 50 mm reported in CD 9b. Wind damage, including lodging, was reported across the region. Localized hail damage was reported in 9aw and heat stress was reported in CD 9b.

Spring cereal development in the northwest is 53% at the heading stage. Flax crops are 46% at the flowering stage. Canola and mustard crops are 87% at or beyond the flowering stage. Pulse crops are 82% at or beyond the flowering stage. Fall cereal crops are 52% at the dough stage.

Topsoil moisture conditions on cropland deteriorated slightly from last week, with 84% of reporters rating topsoil

moisture as adequate and 13% as short, up from 2% reporting short conditions last week. Conditions changed slightly on hay and pasture land with 89% of reporters rating topsoil moisture as adequate, compared to 94% last week. The short area increased from 3% to 10%.

Wheat midge and grasshoppers were reported as the source of crop damage. Ascochyta blight and sclerotinia were reported in CD 9b and there has been some spraying for disease in the canola and pea crops.

Haying operations are well underway in the northwest with 29% of the crop baled or silaged and 27% lying in the swath. Quality is expected to be good to excellent. Reporters estimate that dry land brome/alfalfa will yield 1.7 tons per acre.

Saskatchewan Crop Development						
(per cent at each stage)						
Cereals	**tillering**	**jointed**	**shot blade**	**heading**	**soft dough**	**firm dough**
5yrAvg. (99-02+06)	1	10	31	51	6	0
Jul 15/07	**2**	**10**	**33**	**52**	**3**	**0**
-southeast	1	10	26	59	4	0
-southwest	1	6	25	62	6	0
-east central	4	14	45	35	2	0
-west central	2	7	30	60	1	0
-northeast	6	18	43	32	1	0
-northwest	2	8	36	53	1	0
Flax	**emerge**	**vegetative**	**stem ext**	**flowering**	**boll**	
5yrAvg. (99-02+06)	0	10	52	36	2	
Jul 15/07	**0**	**3**	**40**	**54**	**3**	
-southeast	0	3	33	61	3	
-southwest	0	5	17	72	6	
-east central	0	1	57	39	3	
-west central	0	7	41	52	0	
-northeast	0	9	53	37	1	
-northwest	0	23	22	46	9	
Canola & Mustard	**emerge**	**seedling**	**rosette**	**flowering**	**podding**	
5yrAvg. (99-02+06)	0	2	21	67	9	
Jul 15/07	**0**	**3**	**13**	**67**	**17**	
-southeast	0	1	8	68	23	
-southwest	0	2	31	66	1	
-east central	1	2	18	70	9	
-west central	0	1	7	72	20	
-northeast	0	6	22	66	6	
-northwest	0	6	7	77	10	
Pulse crops	**emerge**	**vegetative**	**flowering**	**podding**		
5yrAvg. (99-02+06)	0	16	63	21		
Jul 15/07	**1**	**7**	**51**	**41**		
-southeast	0	9	54	37		
-southwest	0	4	34	62		
-east central	0	5	68	27		
-west central	0	8	68	24		
-northeast	1	31	60	8		
-northwest	9	9	71	11		
Fall crops	**shot blade**	**heading**	**dough**	**ripe**		
5yrAvg. (99-02+06)	1	31	64	4		
Jul 15/07	**6**	**34**	**57**	**3**		
-southeast	7	16	75	2		
-southwest	5	21	67	7		
-east central	1	55	44	0		
-west central	1	47	47	5		

-northeast	5	56	39	0
-northwest	43	5	52	0

Tables

Weekly Rainfall Summary (PDF)

- Weekly Rainfall
- Cumulative Rainfall
- Crop Land Topsoil Moisture Conditions
- Hay and Pasture Topsoil Moisture Conditions
- Crop Damage - Wheat Midge

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Weekly Rainfall Summary
(in millimeters)

for the week ending July 14, 2007

Crop Dist.	No.	Municipality Name	Past Week	Since April 1
1A	2	Mount Pleasant	31	256
	3	Enniskillen	38	264
	33 B	Moose Creek	34	217
	34	Browning	28	272
	35	Benson	19	184
	63 A	Moose Mountain	25	302
	64	Brock	23	263
1B	91	Maryfield	22	232
	92 B	Walpole	20	330
	93	Wawken	35	286
	94	Hazelwood	27	333
	95	Golden West	23	274
	123	Silverwood	11	290
	124	Kingsley	19	360
	125	Chester	26	238
	151 A	Rocanville	8	366
	151 B	Rocanville	11	313
	153	Willowdale	11	295
	155	Wolseley	17	247
2A	36	Cymri	25	300
	67	Weyburn	12	243
	68	Brokenshell	13	262
	69	Norton	11	219
	96	Fillmore	30	244
	97	Wellington	13	170
	99	Caledonia	8	249
2B	126	Montmartre	23	189
	127	Francis	14	174
	128	Lajord	3	119
	129	Bratt's Lake	6	112
	131	Baildon	5	171
	156 B	Indian Head	21	197
	158	Edenwold	15	162
	160	Pense	4	163
	161	Moose Jaw	9	161
	191	Marquis	NIL	159
3ASE	9	Surprise Valley	15	269
	38 A	Laurier	19	248
	38 B	Laurier	16	244
	39 A	The Gap	49	214
	39 B	The Gap	30	245
3ASW	10	Happy Valley	9	290
	12	Poplar Valley	1	204
	40	Bengough	5	260
	42	Willow Bunch	NIL	207
	43 A	Old Post	NIL	189
	43 B	Old Post	NIL	162
	44	Waverley	NIL	171
	70	Key West	4	197
	71 A	Excel	15	246
	71 B	Excel	22	190
	71 C	Excel	10	195
	73 A	Stonehenge	NIL	149
	73 B	Stonehenge	1	180
3AN	101 B	Terrell	5	176
	102	Lake Johnston	5	161
	103	Sutton	NIL	204*
	132	Hillsborough	2	120
	134	Shamrock	5	170
	163 B	Wheatlands	3	110*
	193	Eyebrow	17	183
3BS	17 A	Val Marie	15	243
	45	Mankota	NIL	146
	46	Glen Mcpherson	NIL	199
	75 A	Pinto Creek	5	147
	75 B	Pinto Creek	NIL	147
	76 A	Auvergne	NIL	130
	76 B	Auvergne	4	166
	77	Wise Creek	NIL	211
	78 B	Grassy Creek	5	181
	78 C	Grassy Creek	8	231
	105	Glenbain	NIL	210
	106	Whiska Creek	3	169
	108	Bone Creek	4	169
3BN	136	Coulee	8	151
	138	Webb	9	168
	165	Morse	5	53*
	166	Excelsior	3	92*
	167	Sask. Landing	7	145
	225	Canaan	3	96
	226	Victory	9	138
	228 B	Lacadena	7	152
	255	Coteau	5	157*
4A	19	Frontier	20	208
	49 B	White Valley	10	224
	51	Reno	NIL	166
	79	Arlington	18	209
	109 A	Carmichael	5	167
	110	Piapot	NIL	155*
	111 A	Maple Creek	2	138
4B	139	Gull Lake	17	162
	141	Big Stick	11	194
	142	Enterprise	12	224
	169	Pittville	5	169
	230	Clinworth	3	118*
	231	Happyland	NIL	196
	232	Deer Forks	NIL	153
5A	183	Fertile Belt	10	246
	185	Mcleod	21	238
	186	Abernethy	14	169
	187	North Qu'appelle	10	145
	213	Saltcoats	22	220
	216 A	Tullymet	10	227
	216 B	Tullymet	7	175
	245 A	Garry	28	230
	246	Ituna Bon Accord	7	203
	247	Kellross	5	185
5B	271	Cote	40	220
	273	Sliding Hills	16	173
	275 A	Insinger	30	234
	277	Emerald	29	189
	304	Buchanan	23	226
	307	Elfros	33	260
	335	Hazel Dell	22	247
	336	Sasman	39	231
	337	Lakeview	17	221
	338	Lakeside	15	220
	366 B	Kelvington	11	189
	367 A	Ponass Lake	18	233
6A	189	Lumsden	6	182
	190 A	Dufferin	8	125
	190 C	Dufferin	1	156
	219 B	Longlaketon	7	127
	219 C	Longlaketon	5	141*
	220	Mckillop	7	129
	221	Sarnia	6	159
	251	Big Arm	10	158
	252	Arm River	5	135
	279 A	Mount Hope	11	118
	280	Wreford	20	131
	282	Mccraney	8	139
	309	Prairie Rose	24	221
	312	Morris	21	129
	313	Lost River	12	140
	339 B	Leroy	28	206
	340 A	Wolverine	19	201
	340 B	Wolverine	33	208
	341	Viscount	17	167
	343	Blucher	6	162
6B	254	Loreburn	12	141
	283	Rosedale	35	171
	284	Rudy	7	170
	285	Fertile Valley	7	173
	314	Dundurn	15	189
	316	Harris	11	168
	344	Corman Park	5	232
	345	Vanscoy	14	212
	346	Perdue	NIL	208
	376 B	Eagle Creek	4	188
	403	Rosthern	32	222
	404	Laird	19	179
7A	259	Snipe Lake	6	160
	287	St. Andrews	NIL	138
	288	Pleasant Valley	2	148
	292	Milton	NIL	183
	317 B	Marriott	6	164
	318 A	Mountain View	1	126
	318 B	Mountain View	2	176
	321	Prairiedale	4	210
7B	347 A	Biggar	NIL	199
	350 A	Mariposa	NIL	222
	350 B	Mariposa	TR	182
	352	Heart's Hill	6	213
	377	Glenside	TR	217
	378 A	Rosemount	TR	195
	378 B	Rosemount	NIL	192
	379	Reford	NIL	176
	380	Tramping Lake	NIL	186
	381	Grass Lake	1	256
	382	Eye Hill	4	294
	409	Buffalo	NIL	239
	410	Round Valley	NIL	210
	411	Senlac	5	216
8A	395	Porcupine	8	240
	397	Barrier Valley	12	229
	398	Pleasantdale	22	275
	428	Star City	11	233
	456	Arborfield	17	249
	457	Connaught	NIL	259
	458	Willow Creek	5	219
	486	Moose Range	5	150
	487	Nipawin	15	220
8B	369	St. Peter	23	230
	370	Humboldt	23	199
	371	Bayne	10	159
	372	Grant	2	150
	399	Lake Lenore	16	235
	402	Fish Creek	6	157
	429 B	Flett's Springs	24	249
	431	St. Louis	39	264
	459	Kinistino	12	252
9AE	488	Torch River	31	227
9AW	406	Mayfield	2	197
	435	Redberry	30	251
	463	Duck Lake	10	246
	464	Leask	23	248
	466	Meeting Lake	26	191
	467	Round Hill	5	175
	496	Spiritwood	16	188
	497	Medstead	7	142
9B	438	Battle River	TR	193
	440	Hillsdale	NIL	174
	442	Manitou Lake	NIL	210
	468	Meota	3	149
	498 A	Parkdale	4	165
	498 B	Parkdale	1	138
	499	Mervin	1	216
	501 A	Frenchman Butte	4	183
	501 B	Frenchman Butte	1	187
	502	Britannia	2	211
	561	Loon Lake	50	210
	588 A	Meadow Lake	31	214
	588 B	Meadow Lake	30	194
	588 C	Meadow Lake	36	175*
	588 D	Meadow Lake	32	203

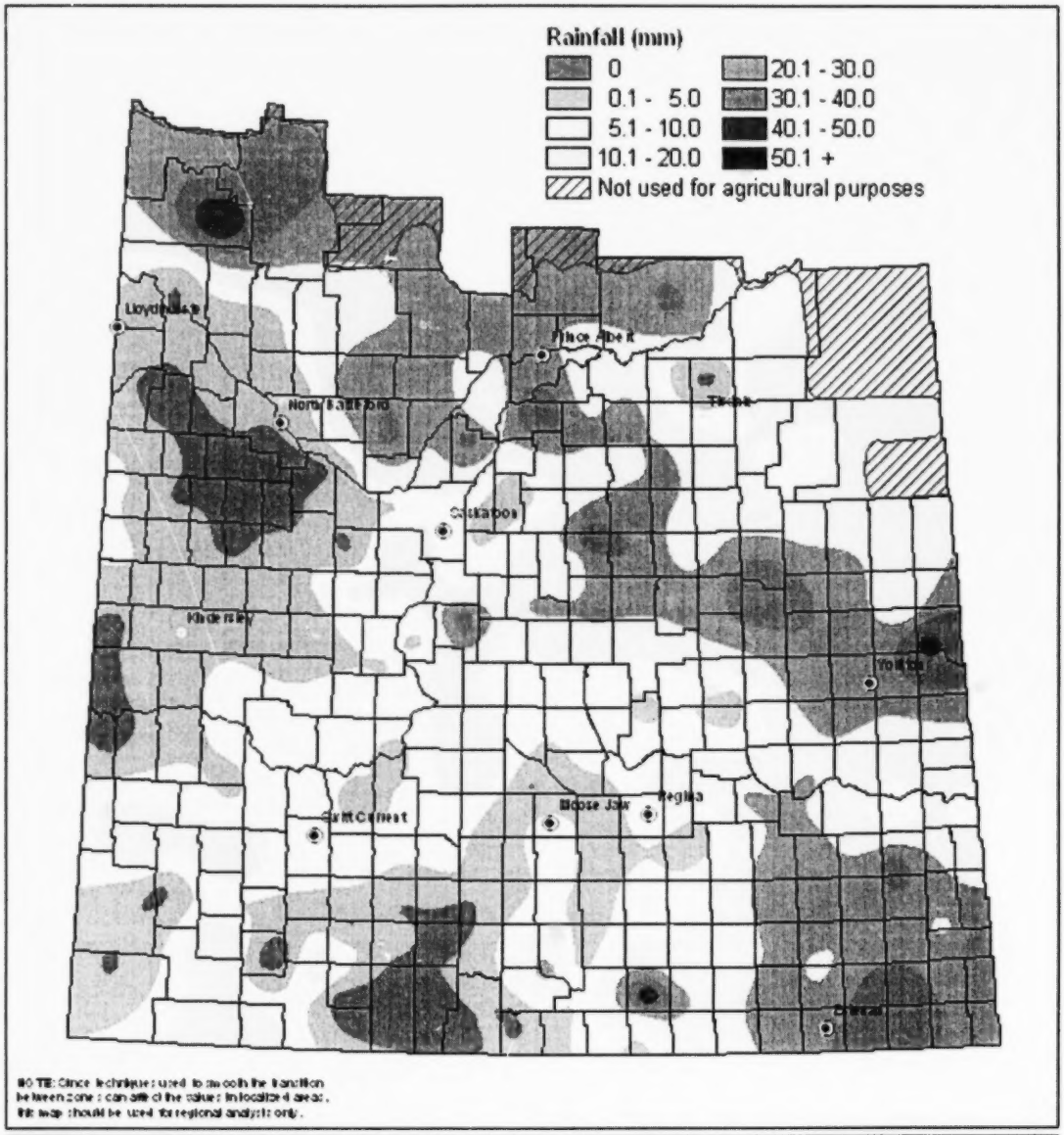
These precipitation amounts represent point locations within each municipality and do not necessarily reflect the whole R.M.

* incomplete

Municipality No: A, B, C, and D - more than one reporter

Weekly Rainfall

for the week ending July 14, 2007



NOTE: Since techniques used to smooth the transition between zones can affect the values in localized areas, this map should be used for regional analysis only.

Saskatchewan Agriculture and Food

0 25 50 100 150 200

Kilometers

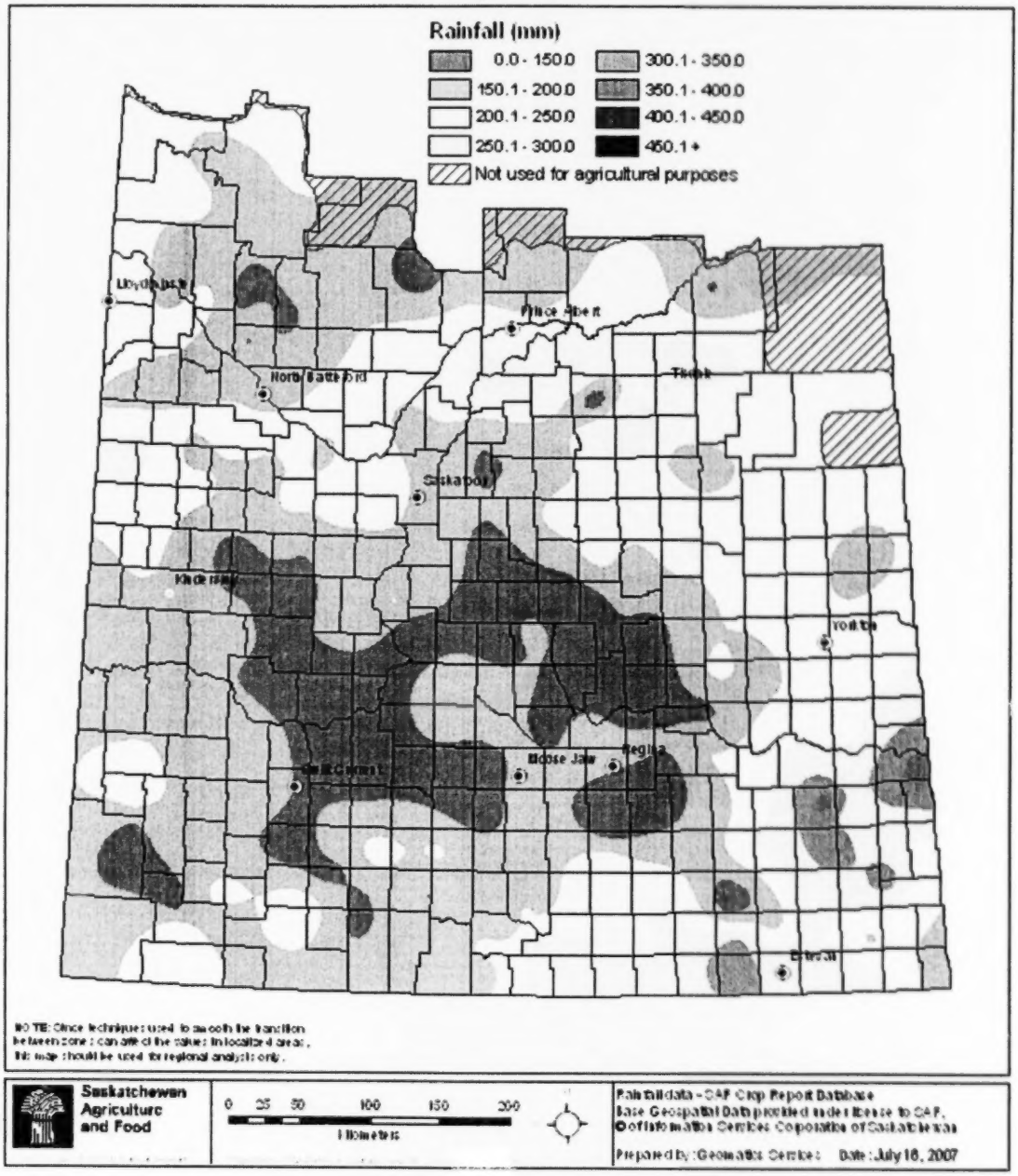
Rainfall data - CAF Crop Report Database
Base Geospatial Data provided under license to CAF, ©GeoInformation Services Corporation of Saskatchewan

Prepared by: Geomatics Services Date: July 16, 2007

Cumulative Rainfall

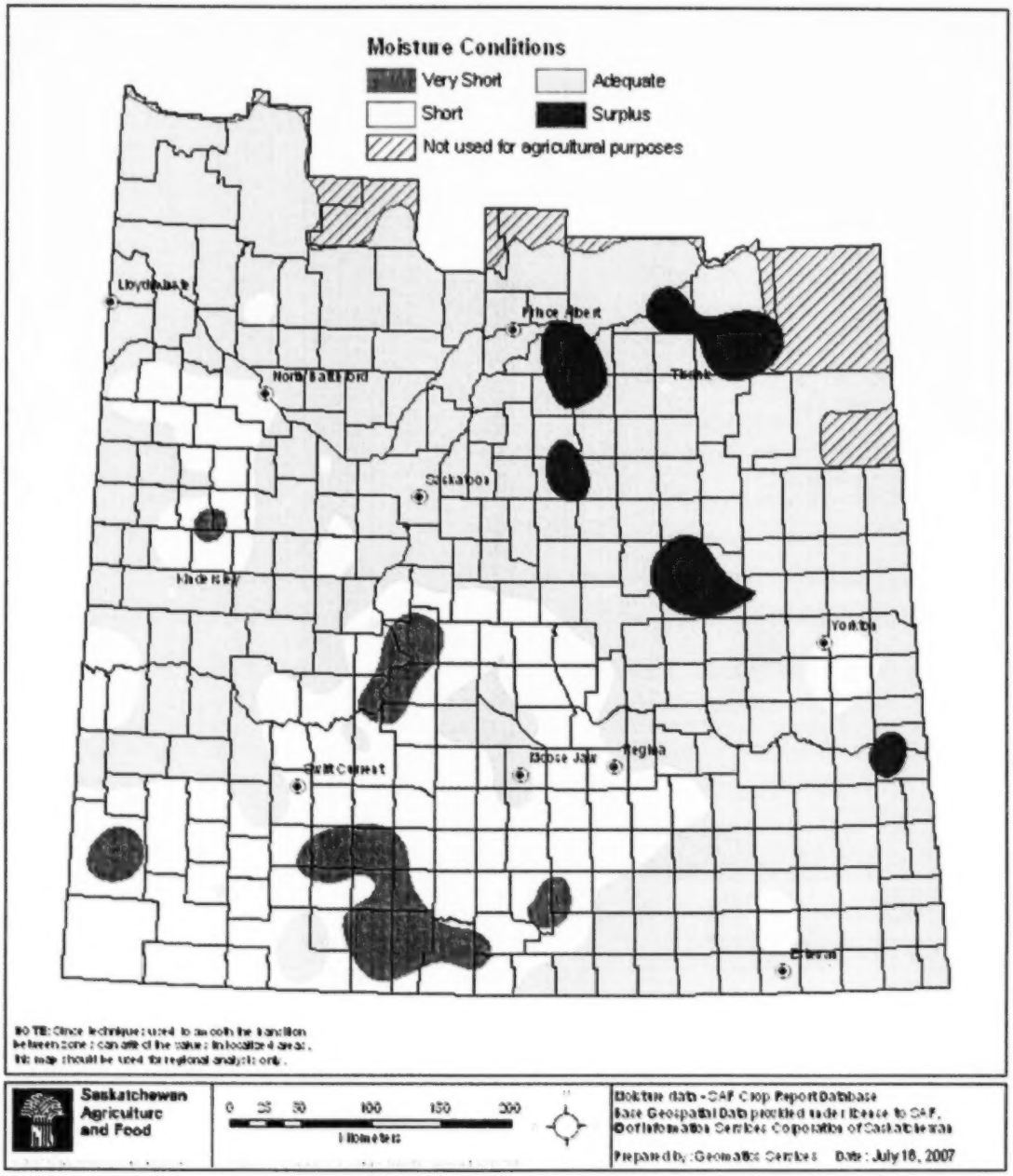
From: April 1, 2007

To: July 14, 2007


Rainfall (mm)
0.0 - 150.0
150.1 - 200.0
200.1 - 250.0
250.1 - 300.0
300.1 - 350.0
350.1 - 400.0
400.1 - 450.0
450.1 +
Not used for agricultural purposes
Prince Albert
Saskatoon
Yorkton
Moose Jaw
Regina
Estevan
NOTE: Dince techniques used to smooth the transition between zones can affect the values in localized areas. This map should be used for regional analysis only.
Saskatchewan Agriculture and Food
0 25 50 100 150 200
Kilometers
Rainfall data - CAF Crop Report Database
Base Geospatial Data provided under license to CAF, © Information Services Corporation of Saskatchewan
Prepared by: Geomatics Centre Date: July 16, 2007

Crop Land Topsoil Moisture Conditions

July 15, 2007



NOTE: Since technique used to smooth the transition between zone / contour of the value in localized areas, this map should be used for regional analysis only.

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0 25 50 100 150 200

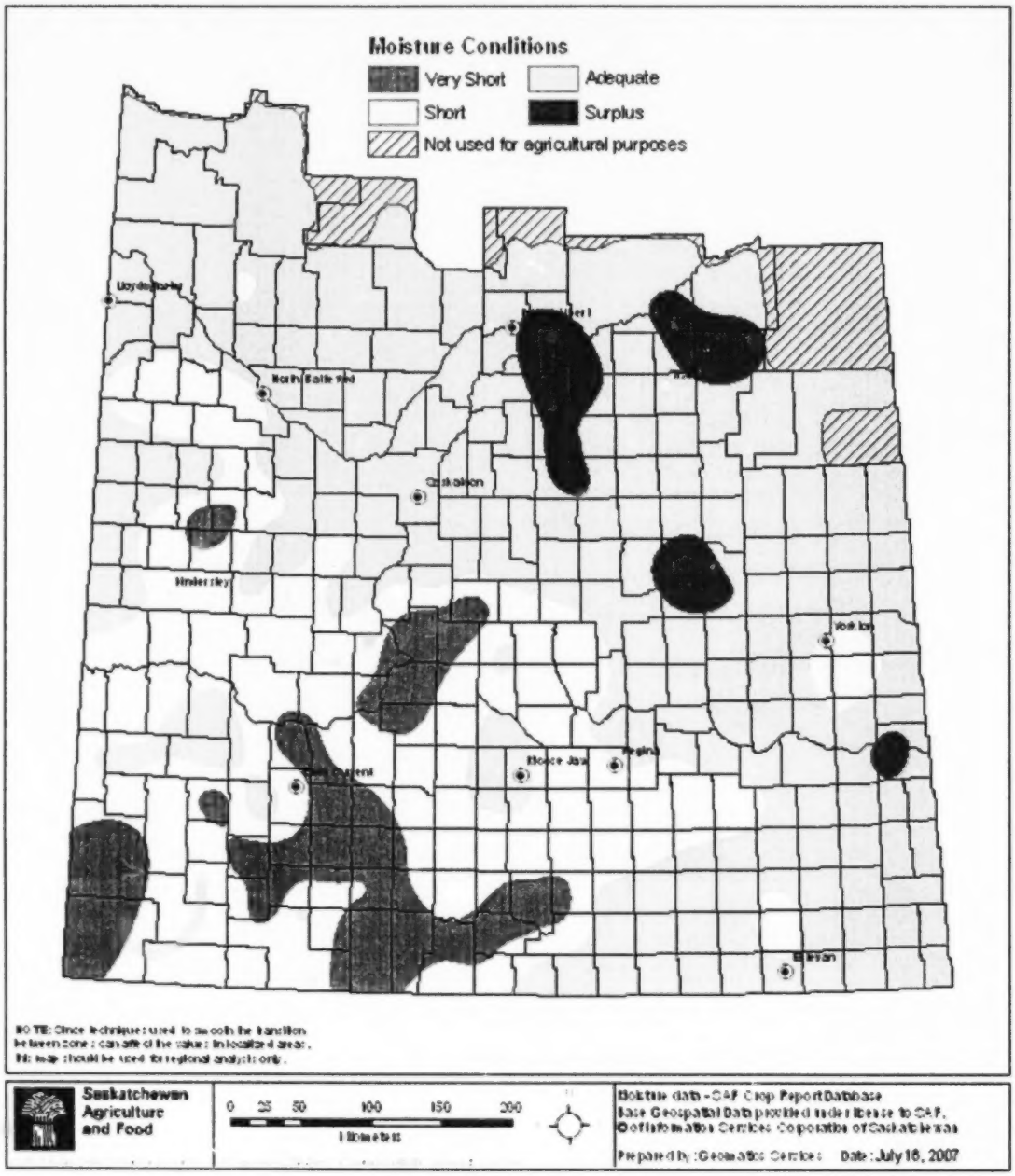
Kilometers

Moisture data - SAF Crop Report Database
Base Geospatial Data provided under lease to SAF, ©Information Services Corporation of Saskatchewan

Prepared by: Geomatics Services Date: July 16, 2007

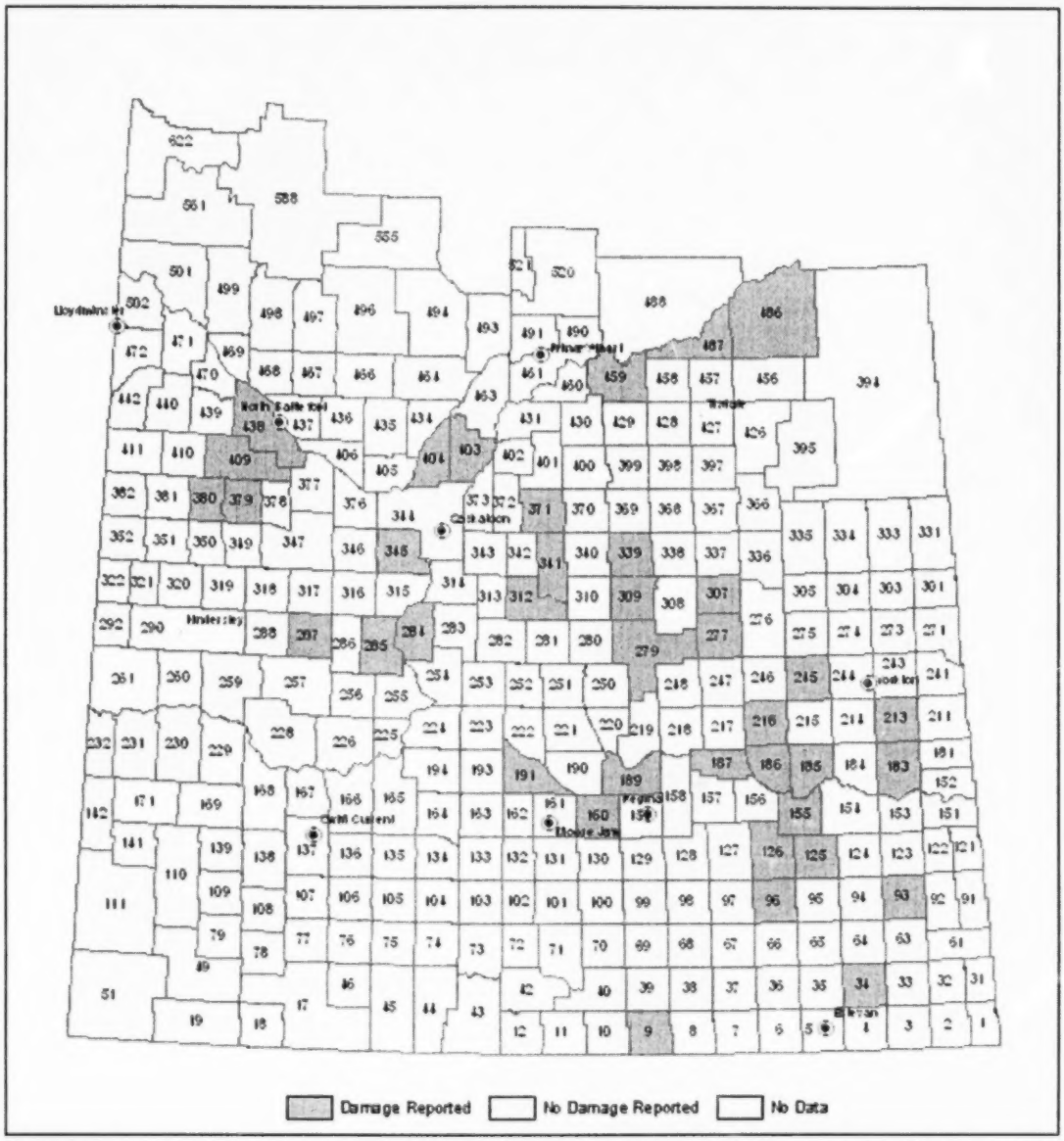
Hay and Pasture Topsoil Moisture Conditions

July 15, 2007


Moisture Conditions
Very Short
Short
Not used for agricultural purposes
Adequate
Surplus
Lloydminster
North Battleford
Saskatoon
Swift Current
Moose Jaw
Regina
Yorkton
Estevan
NOTE: Since technique used to smooth the transition between zone i can affect the value: in localized areas, this map should be used for regional analysis only.
Saskatchewan Agriculture and Food
0 25 50 100 150 200
Kilometres
Moisture data - CAF Crop Report Database
Base Geospatial Data provided under license to CAF, Geomatics Services Corporation of Saskatchewan
Prepared by: Geomatics Services Date: July 16, 2007

Crop Damage - Wheat Midge

for the week ending July 14, 2007



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0 25 50 100 150 200

Kilometers

Crop damage data - CAF Crop Report Database
Base Geospatial Data provided under license to CAF,
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Prepared by: Geomatics Services Date: July 16, 2007